

Appl. No. 10/737,365
Amdt. Dated March 8, 2005
Reply to Office Action of 12/08/2005

Docket No. CM01121S
Customer No. 22917

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A system for illuminating and reading information on a target, the system comprising:
 - an illuminating device for illuminating the target;
 - separate from the illuminating device a user wearable reader device for capturing an optical image of the target when illuminated by the illuminating device;
 - detector means for detecting the location of the reader device; and
 - adjustment means included in the illuminating device for automatically adjusting the illumination provided by the illuminating device in response to a signal provided by the detector means to the adjustment means so that a region on the target illuminated by the illuminating device means is readable by the reader device.
2. (original) A system according to claim 1, wherein the reader device is operable to read a bar code on the target.
3. (original) A system according to claim 2, wherein the reader device is operable to convert the read bar code into an electronic data signal.
4. (original) A system according to claim 3, wherein the system also includes a radio transmitter associated with the reader device which is operable to transmit the electronic data signal produced by the reader device to a remote radio receiver.
5. (original) A system according to claim 1, wherein the reader device is adapted to be carried on the wrist, hand, finger or thumb of a user.

Appl. No. 10/737,365
Amtd. Dated March 8, 2005
Reply to Office Action of 12/08/2005

Docket No. CM01121S
Customer No. 22917

6. (original) A system according to claim 5 and wherein the reader device includes a bracelet or strap to be attached to a user's wrist, or a partly or fully closed ring to be worn on a user's finger or thumb.
7. (original) A system according to claim 5, wherein the illuminating device is included in a unit which is wearable by the user on another part of the user's body.
8. (currently amended) A system according to claim 7, wherein the system unit is wearable on a user's chest or waist.
9. (currently amended) A system according to claim 1, wherein the illuminating device means is incorporated in a unit which also incorporates a radio transceiver operable to receive radio signals from a transmitter associated with the reader device and to forward radio signals to a remote receiver.
10. (original) A system according to claim 1, wherein the detector means includes a reflector on the reader means and means for irradiating a region including the reader means with a search beam of radiation to be reflected by the reflector when incident thereon.
11. (original) A system according to claim 10, wherein the search beam comprises an infrared beam.
12. (original) A system according to claim 10, wherein the detector means also comprises a sensor operable to detect radiation reflected by the reflector and to record the position of the search beam when reflected by the reflector.
13. (currently amended) A system according to claim 12, wherein one or both of the means for irradiating and the sensor are carried by a unit incorporating the illuminating device means.

Appl. No. 10/737,365
Arndt. Dated March 8, 2005
Reply to Office Action of 12/08/2005

Docket No. CM01121S
Customer No. 22917

14. (original) A system according to claim 1, wherein the detector means includes means for determining the location of the reader device by radio signals sent between a transmitter carried on the reader device and a separate receiver.
15. (original) A system according to claim 14, wherein the separate receiver is carried on a unit incorporating the illuminating device.
16. (currently amended) A system according to claim 1, wherein the illuminating device means comprises a light source comprising at least one solid state light cell.
17. (original) A system according to claim 16, wherein the at least one light cell comprises a light emitting diode or an electroluminescent cell.
18. (currently amended) A system according to claim 1, wherein the illuminating device means includes a light source and is operable such that light from the light source is directed in the form of a beam by a beam director whose orientation may be adjusted.
19. (original) A system according to claim 18 and wherein the beam director comprises a movable mirror, lens, or prism.
20. (original) A system according to claim 19 and wherein the beam director comprises a mirror which may be orientated electro-mechanically.
21. (currently amended) A system according to claim 18, wherein the detector means includes means for irradiating a region including the reader device with a search beam, and the beam director included in the device means for illuminating is also operable to direct the search beam.

Appl. No. 10/737,365
Arndt. Dated March 8, 2005
Reply to Office Action of 12/08/2005

Docket No. CM01121S
Customer No. 22917

22. (currently amended) A method of illuminating and reading information on a target comprising:

illuminating the target by an illuminating device;

capturing an optical image of the target when illuminated by the illuminating device by a reader device separate from the illuminating device;

detecting by detector means the location of the reader device; and

automatically adjusting, by an adjustment means included in the illuminating device, the illumination provided by the illuminating illumination device in response to a signal provided by the detector means to the adjustment means so that a region on the target illuminated by the illuminating device means is readable by the reader device.

23. (currently amended) Apparatus A-unit for illumination information on a target to be read by a reader device, the apparatus unit comprising:

an illuminating device for illuminating the target;

detector means for detecting the location of the reader device; and

adjustment means for adjusting the illumination provided by the illuminating illumination device in response to a signal provided by the detector means so that a region on the target illuminated by the illuminating device means is readable by the reader device.